

WE CLAIM:

1. A surface-pressure generating device comprising a stationary platen and a movable platen which can be moved linearly in relation to the stationary platen, further comprising a plurality of guiding tie bars, wherein material to be compressed or molds to be clamped are arranged between said moving platen and said stationary platen, and further comprising a linear motor having primary part and secondary parts, wherein the primary part is arranged on at least one of the tie bars.

2. The surface-pressure generating device according to claim 1, wherein the linear motor is an asynchronous motor.

3. The surface-pressure generating device according to claim 1, wherein the primary part surrounds the tie bar.